PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitut	e for form 1449A	PTO	TRADEMA		Complete if Known				
				Application Number	10/685,453				
INFO	RMATIO	N DIS	CLOSURE	Filing Date	October 16, 2003				
STATEMENT BY APPLICANT				First Named Inventor	David B. CHUNG				
•				Art Unit	2871				
(Use as many sheets as necessary)				Examiner Name	Hoan C. Nguyen				
Sheet	1	of	1	Attorney Docket Number	2207/16635				

	U.S. PATENT DOCUMENTS								
Examiner	Cite	Document Number	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevan				
Initials *	No.1	Number - Kind Code ² (if known)	MM-DD-YYYY	Cited Document	Passages or Relevant Figures Appear				
Ch		US-6,774,399 B2	Aug. 10, 2004	Hirata					
01		US-2004/0125272 A1	Jul. 1, 2004	Chung et al.					

		FOREIGN PA	TENT DOCUME	NTS		
		Foreign Patent Document			Pages, Columns, Lines, Where	
Examiner Initials*	Cite No. ¹	Country Code ³ – Number ⁴ - Kind Code ³ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Relevant Passages or Relevant Figures Appear	English Abstract
						
					 	
	ļ					
	ļ					
		+			† -	
		+				

NON PATENT LITERATURE DOCUMENTS								
Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²						
		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book magazine journal, serial, symposium, catalog, etc.), date, page(s), volume-issue						

Examiner Signature	Mac	Date Considered	8	123	105

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicantly funique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at https://www.uspto.gov or MPEP 901.04. *Enter Office that issued the cocument, by the two-letter code (WIPE) Standard ST.3.* For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possibles. Applicant is to place a check ment here if English language Translation is statched. This cofficient on information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or rotatin a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This cofficion is estimated to obtain or rotatin a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This cofficion is estimated to obtain or rotatin a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This cofficion is estimated to take 2 hours to complete, including gethering, preparing, and submitting the completes of the rotation and the process of the region of

						_	
Please type	20	ne ei	on (+)	inside	this	pux_	

MAY 2 3 2005 25

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031 S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO				Complete if Known				
		Application Number	10/685,453					
INFO	RMATIC	ON DIS	CLOSURE	Filing Date	October 16, 2003			
STATEMENT BY APPLICANT			PPLICANT	First Named Inventor	David B. CHUNG			
				Group Art Unit	2871			
	(use as man	y sheets as	necessary)	Examiner Name	Not assigned			
Sheet	1	of	1	Attorney Docket Number	2207/16635			

			U.S. P	ATENT DOCUMENTS		
		U.S. Patent Docume	ent	Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where
Examiner Initials *	Cite No.	Number	Kind Code ² (if known)	of Cited Document	Cited Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear
Cen		5,367,359		Takanashi et al	11-22-94	
a		6,163,348		Izumi et al	12-19-00	
					· · · · · · · · · · · · · · · · · · ·	

			F	OREIGN P	ATENT DOCUMEN	ITS		
			Foreign Patent Docum	ent			Pages, Columns,	
Examiner Initials*	Cite No. ¹	Office 3	Number ⁴	Kind Code ⁵ (<i>if</i> known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Lines, Where Relevant Passages or Relevant Figures Appear	То

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS							
Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T 2					

Examiner Signature	lesa	Date Considered	8/23/05

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT BY APPLICANT(S)

Sheet 1 of 1

Atty Docket No.: 2207/16635 Serial No. : 10/685,453

Applicants : David B. CHUNG Filed : 16 October 2003

Group Art Unit: 2871

Examiner : Unassigned

U.S. PATENT DOCUMENTS

Examiner Initial	Patent <u>Number</u>	Patent <u>Date</u>	Name		Class Subcl	•
Cho a	6,278,505 6,392,725	08/21/01 05/21/02	OKADA et al. HARADA et al.		349/7 349/7	-
		EODEIGN DA	ATENT DOCU	IMENT	S	
		FOREIGINFA	AIENI DOCC	/IVICI4 I	3	
Examiner <u>Initial</u>	Document <u>Number</u>	<u>Date</u>	Country	Class Subcl		Translation Yes No
	(11· -di-		R DOCUMENT		F	4- \
	(includin	ig Author, Title	e, Date, Pertir	ient Pa	iges, ⊏	(C.)
Examiner Initial						

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Please type a plus sign (+) inside this box

Sheet

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031*
S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE appond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known 10/685,453 **Application Number** October 16, 2003 INFORMATION DISCLOSURE Filing Date David B. CHUNG STATEMENT BY APPLICANT First Named Inventor Group Art Unit 2871 (use as many sheets as necessary) Not assigned **Examiner Name** 2207/16635 of | 1 Attorney Docket Number

				U.S.	PATENT DOCUMEN	NTS		
		U.S. Patent Document			Name of Patentee or	Date of Publication of	Pages, Columns, Lines, Where Relevant	
Examiner Initials *	Cite No.	Number	Kind C	ode²	Applicant of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear	
10-	· ·	US- 2003/01	112403	A1	Ino	06/19/03		
a		US- 2003/00	063499	A1	Gudesen et al	04/03/03		
	<u> </u>							
						·		

			F	OREIGN P	ATENT DOCUMEN	ITS		
		Foreign Patent Document					Pages, Columns,	
Examiner Initials*	Cite No.1	Office	Number ⁴	Kind Code ⁵ (<i>if</i> known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Lines, Where Relevant Passages or Relevant Figures Appear	Т ₆

Examiner Initials *	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T²
2h		John G. Spooner, "Intel Attempts Giant Boost in Handheld Memory", CNET news.com, Personal Tech, http://news.com.com/2100-1040-269834.html, July 11, 2001	

Examiner Signature Date Considered 8/23/25		 	
	<u>.</u>		1 8/25/0(

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

10/16/03

Please type a plus sign (+) inside this box	+	ı
---------------------------------------------	---	---

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0851-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE to respond to a collection of information unless it contains a valid CMB control number.

Substitute	for form 14	49A/PTO	Complete if Known							
	,		Application Number		Not assigned					
INFO	RMAT	ION DISCLOSURE	Filing Date	Θ						
STAT	EMEN	IT BY APPLICANT	First Named Inventor	First Named Inventor						
			Group Art Unit	Not assigned						
	(use as m	any sheets as necessary)	Examiner Name		Not assigned					
Sheet	1	of 2	Attorney Docket Number	er	2207/16635	/				
		U.S. P	ATENT DOCUMENTS	3						
Examiner Initials *	Cite No.1	U.S. Patent Document Kind Code ² Number (if known)	ame of Patentee or Applicant of Cited Document	Date	e of Publication of Cited Document MM-DD-YYYY					
				<u> </u>						
	,	OTHER PRIOR ART NO	ON PATENT LITERAT	URE D	OCUMENTS					
Examiner Initials *	Cite No.1		il, serial, symposium, cata ublisher, city and/or count	alog, etc try wher	c.), date, page(s), volume-issu re published.	of e T²				
a		Wade et al, "Ovonyx Memo Generation", Intel Grooms F Rewritable DVD-Like Appro Times, July 16, 2001	Pair of Substitutes fo	r Flasi	h (Polymer Memory and					
		Clarke, P, "Polymer Electronics Tapped for Memory, Logic" (Opticom ASA (Oslo, Norway) is developing a PC-card format polymer memory subsystem that should be completed before end 1999), Electronic Engineering Times, October 19, 1998								
		Stikeman, A., "Polymer Memory", <u>Technology Review</u> , Vol. 105, No. 7, September 2002								
		Stikeman, A., "Polymer Memory: The Plastic Path to Better Data Storage", Technology Review, Vol. 105, No. 7, September 2002								
		Sikora, A., "Developments in RAMs (random access memories): FeRAMS and MRAMS: Part 2", <u>Elektronik</u> , Vol. 51, No. 6 (Germany), March 19, 2002 (abstract)								
		Yamaguchi et al, "Light Scattering and Reflection Properties in Polymer Dispersed Liquid Crystal Cells with Memory Effects", IEICE Transactions on electronics, Vol. E78-C, No. 1 (Japan), January 1995 (abstract)								
		El-Kareh et al, "Field-Shielded Trench Fill", IBM Technical Disclosure Bulletin, Vol. 27, No. 8, January 1985 (abstract)								
		Jannson et al, "Optical Memory Based on the Ellipsometric Principle", 15th conference of the International Commission for Optics", Garmisch-Partenkirchen, Germany, August 5, 1990 (abstract)								
		Mayer, J., "Flash Memory Defends Its Crown" Pledging better performance, a pack of nonvolatile memory technologies is trying to unseat flash from its throne, but in this competitive market, cost is still king", <u>EBN</u> , No. 1338, pg. 29, 2002								
		Nagaraj, N., "Unfolding Space, Memory", Business Line, February 6, 2002								
"Polymers News-Variable Resistivity Material for Memories", Electronic Materials Technology News, Vol. 3, No. 12, November 1989										
			:							
Examiner Signature		Nylyg	Date Considered		8/23/0	<u> </u>				

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 1449A/PTO Complete if Known Not assigned Application Number INFORMATION DISCLOSURE Filing Date STATEMENT BY APPLICANT First Named Inventor Not assigned **Group Art Unit** (use as many sheets as necessary) Examiner Name Not assigned Attorney Docket Number 2207/16635 Sheet 2 of 2 **U.S. PATENT DOCUMENTS** U.S. Patent Document Date of Publication of Cited Document Name of Patentee or Applicant Examiner Kind Code² Cite No.1 of Cited Document MM-DD-YYYY Initials 1 Number (if known) OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of T² Cite Examiner the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue No.1 number(s), publisher, city and/or country where published. Initials Wade, W., "Intel Details Post-Flash Technology Plan", EE Times, July 11, 2001, www.eetimes.com (11/27/02) Lai, S., "Intel's Investigation of Next-Generation Memory Technologies for Portable Devices", Intel Corporation, TMG, California Technology and Manufacturing, July 2001 Avdeals.com, 28 pages of promotional materials Date Examiner Considered Signature